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  You can also enter a full question or concept in plain language.

      Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

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- Enclose a phrase in double quotes to search for that exact phrase.

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      "museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

      museum +art

- Exclude pages by using a - if a search term must not appear on a page.

      museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

      museum +"natural history" dinosaur -Chicago

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1 ## Dimension-independent modeling with simplicial complexes   ◼
A. Paoluzzi, F. Bernardini, C. Cattani, V. Ferrucci
January 1993 **ACM Transactions on Graphics (TOG)**, Volume 12 Issue 1
Full text available: 📄 pdf(4.91 MB)   Additional Information: full citation, references, citings, index terms, review

> **Keywords:** n-dimensional triangulation, Boolean operations, design languages, extrusion, polyhedra, representation, simplicial complexes, simplicial maps

2 ## Active documentation: a new interface for VLSI design   ◼
Mário J. Silva, Randy H. Katz
July 1993 **Proceedings of the 30th international conference on Design automation**
Full text available: 📄 pdf(1.09 MB)   Additional Information: full citation, references, citings, index terms

3 ## A multiple presentation document management system   ◼
Augusto Celentano, Silvano Pozzi, Donato Toppeta
November 1992 **Proceedings of the 10th annual international conference on Systems documentation**
Full text available: 📄 pdf(1.01 MB)   Additional Information: full citation, abstract, references, citings, index terms

> The paper proposes an approach to the definition of a document management system oriented to the support of cooperative activities based on multiple-presentation documents. In our view, multiple-presentation means that the informative content of a document can be presented to the reader by using different shapes, styles and levels of detail, according to the reader profile. The Zelig document management system is based on the definition of an only conceptua ...

4 ## Asynchronous design/evaluation methods for hypertext technology development   ◼
G. Perlman
November 1989 **Proceedings of the second annual ACM conference on Hypertext**
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terms

A process model used in the design and evaluation of hypertext systems is discussed. The model includes asynchronous processes of task analysis, document analysis, literature survey and systems evaluation, interpretation of data, designing and building systems, and collecting data. For each process, experiences with NaviText™ SAM, a hypertext interface to a reference source, are discussed. A variety of new methods for evaluation of experimental systems are presented along with several ...

5 Context-aware Web Information Systems

Aleksander Binemann-Zdanowicz, Roland Kaschek, Klaus-Dieter Schewe, Bernhard Thalheim
January 2004 **Proceedings of the first Asian-Pacific conference on Conceptual modelling - Volume 31 CRPIT '04**

Full text available: pdf(413.81 KB)   Additional Information: full citation, abstract, references

Apart from completeness usability, performance and maintainability are the key quality aspects for Web information systems. Considering usability as key implies taking usage processes into account right from the beginning of systems development. Context-awareness appears as a promising idea for increasing usability of Web Information Systems. In the present paper we propose an approach to context-awareness of Web Information Systems that systematically distinguishes among the various important k ...

Keywords: SiteLang, Web Information Systems, Web services, context-aware information systems, media objects

6 Analyzing the role of aspects in software design

J. Andrés Díaz Pace, Marcelo R. Campo
October 2001 **Communications of the ACM**, Volume 44 Issue 10

Full text available: pdf(127.22 KB)
                 html(27.57 KB)   Additional Information: full citation, references, citings, index terms

7 Voronoi diagrams—a survey of a fundamental geometric data structure

Franz Aurenhammer
September 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 3

Full text available: pdf(5.18 MB)   Additional Information: full citation, references, citings, index terms

Keywords: cell complex, clustering, combinatorial complexity, convex hull, crystal structure, divide-and-conquer, geometric data structure, growth model, higher dimensional embedding, hyperplane arrangement, k-set, motion planning, neighbor searching, object modeling, plane-sweep, proximity, randomized insertion, spanning tree, triangulation

8 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker
December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems**, Volume 28 Issue 1

Full text available: pdf(7.24 MB)   Additional Information: full citation, citings

9 Convexity algorithms in parallel coordinates

Alfred Inselberg, Mordechai Reif, Tuval Chomut

October 1987 **Journal of the ACM (JACM)**, Volume 34 Issue 4

Full text available: pdf(2.34 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

With a system of parallel coordinates, objects in RN can be represented with planar "graphs" (i.e., planar diagrams) for arbitrary N [21]. In R2, embedded in the projective plane, parallel coordinates induce a point ← → line duality. This yields a new duality between bounded and unbounded convex sets and hstars (a gener ...

10 Groupware concept mapping techniques

Rob Kremer, Brian R. Gaines

October 1994 **Proceedings of the 12th annual international conference on Systems documentation: technical communications at the great divide**

Full text available: pdf(1.04 MB)   Additional Information: full citation, abstract, references, citings, index terms

Concept maps have been used in education, policy studies and the philosophy of science to provide a visual representation of knowledge structures and argument forms. They provide a complementary alternative to natural language as a means of communicating knowledge. In many disciplines various forms of concept map are already used as formal knowledge representation systems, for example: semantic networks in artificial intelligence, bond graphs in mechanical and electrical engineering, Petri ...

11 Three-dimensional object recognition

Paul J. Besl, Ramesh C. Jain

March 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 1

Full text available: pdf(7.76 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A general-purpose computer vision system must be capable of recognizing three-dimensional (3-D) objects. This paper proposes a precise definition of the 3-D object recognition problem, discusses basic concepts associated with this problem, and reviews the relevant literature. Because range images (or depth maps) are often used as sensor input instead of intensity images, techniques for obtaining, processing, and characterizing range data are also surveyed.

12 A navigation-oriented hypertext model based on statecharts

Marcelo Augusto Santos Turine, Maria Cristina Ferreira de Oliveira, Paul Ceasr Masiero

April 1997 **Proceedings of the eighth ACM conference on Hypertext**

Full text available: pdf(986.85 KB)   Additional Information: full citation, references, citings, index terms

Keywords: HMBS, browsing semantics, hierarchical views, hypertext document model, statecharts

13 Adaptive e-learning systems: Authoring of learning styles in adaptive hypermedia: problems and solutions

Natalia Victorovna Stash, Alexandra Ioana Cristea, Paul M. De Bra

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Full text available: Additional Information:

pdf(1.08 MB)   full citation, abstract, references, index terms

Learning styles, as well as the best ways of responding with corresponding instructional
strategies, have been intensively studied in the classical educational (classroom) setting.
There is much less research of application of learning styles in the new educational space,
created by the Web. Moreover, authoring applications are scarce, and they do not provide
explicit choices and creation of instructional strategies for specific learning styles. The main
objective of the research described in th ...

Keywords: adaptive hypermedia, authoring of adaptive hypermedia, learning styles, user
modeling

14 Digital publication (panel session): status, opportunities and problems
Dick Phillips, Michael Lesk, Michael Hawley, Andries van Dam, Richard J. Beach
August 1990 **ACM SIGGRAPH 90 Panel Proceedings**

Full text available: pdf(4.39 MB)   Additional Information: full citation, index terms

15 Object-Z web environment and projections to UML
Jing Sun, Jin Song Dong, Jing Liu, Hai Wang
April 2001 **Proceedings of the 10th international conference on World Wide Web**

Full text available: pdf(267.78 KB)   Additional Information: full citation, references, citings, index terms

Keywords: UML, XML/XSL/XMI, object-Z

16 Distributed environment: Narratives of space and time: visualization for distributed applications
Patrick J. Finnigan, Kelly A. Lyons
October 1991 **Proceedings of the 1991 conference of the Centre for Advanced Studies
on Collaborative research**

Full text available: pdf(1.65 MB)   Additional Information: full citation, abstract, references, citings

Programmers of distributed applications face the challenge of building communicating
processes (*CP*) in a complex, heterogeneous network with distributed data and services. The
tools necessary to build these systems are emerging, but widespread acceptance will require
effective use of visualization and user interface technologies to reduce complexity.In this
paper, we outline a plan and describe some initial results for visualizing three aspects of
distributed applications• X.500 [25] ...

Keywords: distributed systems, iconic programming, network management, visualization

17 The use of object-oriented models in requirements engineering: a field study
Linda Dawson, Paul Swatman
January 1999 **Proceeding of the 20th international conference on Information Systems**

Full text available: pdf(215.19 KB)   Additional Information: full citation, references, index terms

18 Semantic web applications: Building a companion website in the semantic web
Timothy J. Miles-Board, Christopher P. Bailey, Wendy Hall, Leslie A. Carr

May 2004 Proceedings of the 13th international conference on World Wide Web

Full text available: pdf(348.67 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A problem facing many textbook authors (including one of the authors of this paper) is the inevitable delay between new advances in the subject area and their incorporation in a new (paper) edition of the textbook. This means that some textbooks are quickly considered out of date, particularly in active technological areas such as the Web, even though the ideas presented in the textbook are still valid and important to the community. This paper describes our approach to building a companion webs ...

Keywords: bloom's taxonomy, companion website, electronic publishing, semantic web, textbook

[19] <u>Computing curricula 2001</u>

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB)
html(2.78 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

[20] <u>Special issue on knowledge representation</u>

Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70

Full text available: pdf(13.13 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

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